

List of Claims

Claim 1 (Previously Presented) A multilayer film or sheet comprising:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;
- b.) a second co-extruded polymeric layer selected from the group consisting of ionomer, ionomer-polyethylene blend, and ionomer-polyamide blend in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 2 (Canceled)

Claim 3 (Previously Presented) A multilayer film or sheet of Claim 1 wherein said ionomer consists essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C_3 to C_8 carboxylic acid wherein said copolymer is partially neutralized with metal ions.

Claim 4 (Previously Presented) A multilayer film or sheet of Claim 1 wherein said ionomer-polyamide blend consists essentially of one or more polyamide which forms a continuous phase or co-continuous phase with one or more ionomer dispersed therein, said ionomer is present in the range from 60 to 40 weight percent and said polyamide is present in the range from 40 to 60 weight percent based on the total weight of ionomer and polyamide, said ionomer consisting essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C_3 to C_8 carboxylic acid wherein said copolymer is partially neutralized with metal ions; wherein the average acid content of copolymer prior to neutralization is present in a sufficiently high percentage such that neutralization in the range of 55 to 100 mole percent of the acid present

at melt temperature with one or more metal cations increases the viscosity of the ionomer above that of the polyamide.

Claim 5 (Canceled)

Claim 6 (Previously Presented) A multilayer film or sheet of Claim 1 wherein said first co-extruded polymeric layer is clear and said second co-extruded polymeric layer contains pigments, dyes, flakes, or mixtures thereof.

Claim 7 (Previously Presented) A multilayer film or sheet comprising:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;
- b.) a second co-extruded polymeric layer consisting essentially of very low density polyethylene in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 8 (Canceled)

Claim 9 (Previously Presented) A multilayer film or sheet of Claim 7 wherein said ionomer consisting essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C₃ to C₈ carboxylic acid wherein said copolymer is partially neutralized with metal ions.

Claim 10 (Canceled)

Claim 11 (Previously Presented) A multilayer film or sheet of Claim 7 wherein said first co-extruded polymeric layer is clear and said second co-extruded polymeric layer contains pigments, dyes, flakes, or mixtures thereof.

Claim 12 (Previously Presented) A multilayer film or sheet comprising:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;
- b.) a second co-extruded polymeric sheet layer consisting essentially of ethylene polar copolymer in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 13 (Canceled)

Claim 14 (Previously Presented) A multilayer film or sheet of Claim 12 wherein said ionomer consisting essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C₃ to C₈ carboxylic acid wherein said copolymer is partially neutralized with metal ions.

Claim 15 (Canceled)

Claim 16 (Previously Presented) A multilayer film or sheet of Claim 12 wherein said first co-extruded polymeric layer is clear and said second co-extruded polymeric layer contains pigments, dyes, flakes, or mixtures thereof.

Claim 17 (Previously Presented) A multilayer film or sheet comprising:

- a.) a first co-extrusion polymeric layer consisting essentially of ionomer-polyamide blend;
- b.) a second co-extruded polymeric layer in contact with said first co-extrude polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and

c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 18 (Original) A multilayer film or sheet of Claim 17 wherein said ionomer-polyamide blend consists essentially of one or more polyamide which forms a continuous phase or co-continuous phase with one or more ionomer dispersed therein, said ionomer is present in the range from 60 to 40 weight percent and said polyamide is present in the range from 40 to 60 weight percent based on the total weight of ionomer and polyamide, said ionomer consisting essentially of a copolymer derived from ethylene and α , β -ethenically unsaturated C_3 to C_8 carboxylic acid wherein said copolymer is partially neutralized with metal ions; wherein the average acid content of copolymer prior to neutralization is present in a sufficiently high percentage such that neutralization in the range of 55 to 100 mole percent of the acid present at melt temperature with one or more metal cations increases the viscosity of the ionomer above that of the polyamide.

Claim 19 (Canceled)

Claim 20 (Original) A multilayer film or sheet of Claim 17 or 18 wherein said first co-extruded polymeric layer contains pigments, dyes, flakes, or mixtures thereof.

Claim 21 (Original) A multilayer film or sheet of Claim 17 or 18 wherein said second co-extruded polymeric layer is selected from the group consisting of ionomer, ionomer-polyethylene blend, ionomer-polyamide blend, very low density polyethylene, ethylene polar copolymer, and blends thereof.

Claim 22-42 (Withdrawn)

Claim 43 (Previously Presented) An article consisting essentially of a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet comprises:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;
- b.) a second co-extruded polymeric layer selected from the group consisting of ionomer, ionomer-polyethylene blend, and ionomer-polyamide blend in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 44 (Canceled)

Claim 45 (Previously Presented) An article consisting essentially of a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet comprises:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;
- b.) a second co-extruded polymeric layer consisting essentially of very low density polyethylene in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 46 (Canceled)

Claim 47 (Previously Presented) An article consisting essentially of a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet comprises:

- a.) a first co-extruded polymeric layer consisting essentially of ionomer;

- b.) a second co-extruded polymeric sheet layer consisting essentially of ethylene polar copolymer in contact with said first co-extruded polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one third additional co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 48 (Canceled)

Claim 49 (Previously Presented) An article consisting essentially of a substrate to which a multilayer film or sheet is adhered, wherein said multilayer film or sheet comprises:

- a.) a first co-extrusion polymeric layer consisting essentially of ionomer-polyamide blend;
- b.) a second co-extruded polymeric layer in contact with said first co-extrude polymeric layer, wherein at least one of said first or second co-extruded polymeric layers contain pigments, dyes, flakes, or mixtures thereof; and
- c.) at least one additional third co-extruded polymeric layer in contact with said second co-extruded polymeric layer.

Claim 50 (Canceled)

Claim 51 (Previously Presented) An article in any of Claims 43, 45, 47, or 49 wherein the substrate is selected from the group consisting of metal, polymer, and polymer composite.

Claim 52 (Previously Presented) An article in any of Claims 43, 45, 47, or 49 wherein the substrate has a printed design or pattern and said multilayer film or sheet is clear.

Claim 53 (Canceled)